

BDTools

BDTools is small set of simple command-line utilities for displaying the structure of **.mpls playlists** files which are part of Bluray Disc navigation.

MPLS2JSON.exe

– converts **.mpls** playlist into human&machine readable JSON file, or

– converts **.json** file into binary **.mpls** playlist file.

This reverse operation can be used for easy modification of the content of the **.mpls** playlist.

(But please remember that parameters are not validated, thus changes in **.json** file before “reverse” conversion to **.mpls** need to be done VERY carefully!)

MPLSDump.exe

– displays simplified list of all **.m2ts** files referred in given **.mpls** playlist

Typical use:

1. Displaying help

```
MPLSJSON
```

Without any other parameters will display simple help how to use MPLS2JSON.

2. Conversion of .mpls playlist to JSON format

```
MPLS2JSON 00000.mpls
```

Displays **.mpls** playlist in readable JSON format on standard output (screen).

```
MPLS2JSON 00000.mpls 00000.json
```

Converts **.mpls** playlist into readable **.json** file.

3. Reverse conversion of .json file into .mpls playlist

```
MPLS2JSON -reverse 00000.json 00000.mpls
```

Only structure (syntax) of **.json** is validated during this conversion, but not the actual values (semantics)! Thus changes in **.json** file before “reverse” conversion to **.mpls** need to be done very carefully!

4. Selftest

```
MPLS2JSON -selftest 00000.mpls
```

This self-test command will perform forward and backward conversion to/from .json file. Several files will be created with following naming convention:

```
00000.json  
00000.from_mpls.mpls  
00000.from_json.mpls  
00000.from_json.json
```

Correlated .mpls/.json files should be identical.

Remark:

MPLS2JSON can convert into readable JSON-format also files MovieObject.bdmv and index.bdmv, which are part of Bluray Disc navigation structure, too.